

GEARTECH	CHECKLIST	No. CK4200		SHEET 1 OF 2
		Rev. A		
Bearing Design Audit		BY RLE		DATE 9/27/99
		CKD JRM		DATE 9/27/99
BEARING DATA				
Question	Y	N	R	Comments
Do drawings specify the following data?				
Bearing manufacturer?				
Bearing type?				
Bearing size?				
Bearing retainer material?				
Bearing internal clearance?				
Shaft diameter, surface roughness, and tolerances for inner race fit?				
Housing diameter, surface roughness, and tolerances for outer race fit?				
Boundary dimensions?				
Only two (2) bearings per shaft?				
ASSEMBLY				
Question	Y	N	R	Comments
Has gearbox assembly been reviewed to assess risk of damage to bearing components?				
Are there procedures for blind assembly?				
Are there assembly procedures for separable, cylindrical-roller bearings?				
Are shaft-to-inner race fits tight?				
Are housing-to-outer race fits tight?				
If housing-to-outer race fits are loose, are anti-rotation devices specified?				
Are internal clearances per bearing manufacturers recommendations?				
Are boundary dimensions per bearing manufacturers recommendations?				
Are bearings free to move axially?				
If necessary, are fixtures for assembly available?				
Is it possible to set proper endplays?				
Will endplays be recorded?				
Have bearing types and arrangements been reviewed to account for thermal growth?				

[illegible]